

GP1652

TRANSMITTAL LETTER (General - Patent Pending)	Docket No. 112843-039
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In Re Application Of: Germond et al.

Serial No. 10/019,817	Filing Date May 13, 2002	Examiner K. Kerr	Group Art Unit 1652
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Title: **THE LACTOSE OPERON OF LACTOBACILLUS DELBRUEKII AND ITS USE FOR CONTROLLING GENE TRANSCRIPTION AND/OR EXPRESSION IN BACTERIAL CELLS**

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Transmittal of Information Disclosure Statement (duplicate); Supplemental Information Disclosure Statement (3 pgs.); and PTO Form 1449 (2 pgs.); 20 references; check in the amount of \$180.00; and return receipt postcard.

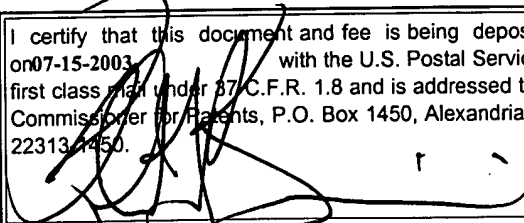
in the above identified application.

- ☒ No additional fee is required.
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Dated: July 15, 2003

Robert M. Barrett
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P.O. Box 1135
Chicago, IL 60690-1135
Phone: 312-807-4204

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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
112843-039

In Re Application Of: **Germona et al.**

Serial No.
10/019,817

Filing Date
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Examiner
K. Kerr

Group Art Unit
1652

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37 CFR 1.97(b)

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☒ the fee set forth in 37 CFR 1.17(p).

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180.00 OP

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
112843-039

In Re Application: **Germond et al.**

Serial No
10/019,81

JUL 21 2003

Filing Date
May 13, 2002

Examiner
K. Kerr

Group Art Unit
1652

**THE LACTOSE OPERON OF LACTOBACILLUS DELBRUEKII AND ITS USE FOR
GENE TRANSCRIPTION AND/OR EXPRESSION IN BACTERIAL CELLS**

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Dated: **July 15, 2003**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Germond et al.

Appl. No.: 10/019,817

Conf. No.: 9937

Filed: May 13, 2002

Title: THE LACTOSE OPERON OF LACTOBACILLUS DELBRUEKII AND ITS
USE FOR CONTROLLING GENE TRANSCRIPTION AND/OR EXPRESSION
IN BACTERIAL CELLS

Art Unit: 1652

Examiner: K. Kerr

Docket No.: 112843-039

Commissioner for Patents

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited below, and on the attached PTO-1449 form, copies of which are enclosed, be made during the course of examination of the above-identified application for United States patent.

OTHER DOCUMENTS

Chassy et al., *Molecular characterization of the plasmid-encoded lactose-PTS of Lactobacillus casei*, FEMS Microbiology Reviews, vol. 63 (1989) pp. 157-166.

Robert M. Horton, *PCR-Mediated Recombination and Mutagenesis*, Molecular Biotechnology, vol. 3 (1995) pp. 93-95.

Germond et al., *A new genetic element in Lactobacillus delbrueckii subsp. bulgaricus*, Mol. Gen. Genet., vol. 248 (1995) pp. 407-416.

Gasson et al., *Plasmid Complements of Streptococcus lactis NCDO 712 and Other Lactic Streptococci After Protoplast-Induced Curing*, Journal of Bacteriology, vol. 154, no. 1, April 1983, pp. 1-9.

Sanger et al., *DNA sequencing with chain-terminating inhibitors*, Proc. Natl. Acad. Sci. USA, vol. 74, no. 12, December 1977, pp. 5463-5467.

Platteeuw et al., *Use of the Escherichia coli β -Glucuronidase (gusA) Gene as a Reporter Gene for Analyzing Promoters in Lactic Acid Bacteria*, Applied and Environmental Microbiology, vol. 60, no. 2, February 1994, pp. 587-593.

- Holo et al., *High-Frequency Transformation, by Electroporation, of Lactococcus lactis subsp. cremoris Grown with Glycine in Osmotically Stabilized Media*, Applied and Environmental Microbiology, vol. 55, no. 12, December 1989, pp. 3119-3123.
- Delley et al., *DNA Probe for Lactobacillus delbrueckii*, Applied and Environmental Microbiology, vol. 56, no. 6, June 1990, pp. 1967-1970.
- Weickert et al., *Site-directed mutagenesis of a catabolite repression operator sequence in Bacillus subtilis*, Proc. Natl. Acad. Sci. USA, vol. 87, August 1990, pp. 6238-6242.
- Schmidt et al., *Expression and Nucleotide Sequence of the Lactobacillus bulgaricus β -Galactosidase Gene Cloned in Escherichia coli*, Journal of Bacteriology, February 1989, pp. 625-635.
- Leong-Morgenthaler et al., *Lactose Metabolism in Lactobacillus bulgaricus: Analysis of the Primary Structure and Expression of the Genes Involved*, Journal of Bacteriology, vol. 173, no. 6, March 1991, pp. 1951-1957.
- Poolman et al., *Lactose Transport System of Streptococcus thermophilus: a Hybrid Protein with Homology to the Melibiose Carrier and Enzyme III of Phosphoenolpyruvate-Dependent Phosphotransferase Systems*, Journal of Bacteriology, vol. 171, no. 1, January 1989, pp. 244-253.
- Oskouian et al., *Cloning and Characterization of the Repressor Gene of the Staphylococcus aureus Lactose Operon*, Journal of Bacteriology, vol. 169, no. 12, December 1987, pp. 5459-5465.
- van Rooijen et al., *Molecular Cloning, Transcriptional Analysis, and Nucleotide Sequence of lacR, a Gene Encoding the Repressor of the Lactose Phosphotransferase System of Lactococcus lactis*, The Journal of Biological Chemistry, vol. 265, no. 30, October 1990, pp. 18499-18503.
- Schroeder et al., *Analysis of the lacZ sequences from two Streptococcus thermophilus strains: comparison with the Escherichia coli and Lactobacillus bulgaricus β -galactosidase sequences*, Journal of General Microbiology, vol. 137 (1991) pp. 369-380.
- Terzaghi et al., *Improved Medium for Lactic Streptococci and Their Bacteriophages*, Applied Microbiology, June 1975, vol. 29, no. 6, pp. 807-813.
- Devereux et al., *A comprehensive set of sequence analysis programs for the VAX*, Nucleic Acids Research, (1984) vol. 12, no. 1, pp. 387-395.
- W. V. Shaw, *Chloramphenicol Acetyltransferase assay*, Methods Enzymol. vol. 43 (1975) pp. 737-755.
- Marion M. Bradford, *A Rapid and Sensitive Method for the Quantitation of Microgram Quantities of Protein utilizing the Principle of Protein-Dye Binding*, Anal. Biochem., vol. 12 (1976) pp. 248-254.

Appl. No. 10/019,817

DeMan et al., *A medium for the cultivation of lactobacilli*, J. Appl. Bacteriol., vol. 23 (1960) pp. 130-135.

Applicants look forward to early and favorable consideration of this matter.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY 

Robert M. Barrett

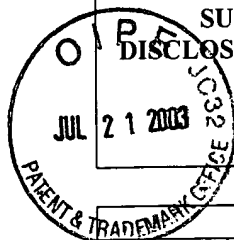
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Dated: July 15, 2003



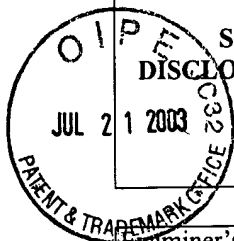
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) PTO Form 1449	Atty Docket No. 112843-039	Application No. 10/019,817
	Applicant Germond et al.	
	Filing Date May 13, 2002	Group 1652

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS							
Examiner's Initials	Document Number	Publication Date	Country	Class	Subclass	Translation	
						Yes	No

Examiner's Initials	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	•	Chassy et al., <i>Molecular characterization of the plasmid-encoded lactose-PTS of Lactobacillus casei</i> , FEMS Microbiology Reviews, vol. 63 (1989) pp. 157-166.
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	•	Gasson et al., <i>Plasmid Complements of Streptococcus lactis NCDO 712 and Other Lactic Streptococci After Protoplast-Induced Curing</i> , Journal of Bacteriology, vol. 154, no. 1, April 1983, pp. 1-9.
	•	Sanger et al., <i>DNA sequencing with chain-terminating inhibitors</i> , Proc. Natl. Acad. Sci. USA, vol. 74, no. 12, December 1977, pp. 5463-5467.
	•	Platteeuw et al., <i>Use of the Escherichia coli β-Glucuronidase (gusA) Gene as a Reporter Gene for Analyzing Promoters in Lactic Acid Bacteria</i> , Applied and Environmental Microbiology, vol. 60, no. 2, February 1994, pp. 587-593.
	•	Holo et al., <i>High-Frequency Transformation, by Electroporation, of Lactococcus lactis subsp. cremoris Grown with Cycine in Osmotically Stabilized Media</i> , Applied and Environmental Microbiology, vol. 55, no. 12, December 1989, pp. 3119-3123.
	•	Delley et al., <i>DNA Probe for Lactobacillus delbrueckii</i> , Applied and Environmental Microbiology, vol. 56, no. 6, June 1990, pp. 1967-1970.
	•	Weickert et al., <i>Site-directed mutagenesis of a catabolite repression operator sequence in Bacillus subtilis</i> , Proc. Natl. Acad. Sci. USA, vol. 87, August 1990, pp. 6238-6242.

Examiner:	Date Considered:
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



**SUPPLEMENTAL INFORMATION
DISCLOSURE CITATION IN AN APPLICATION**
(Use several sheets if necessary)

PTO Form 1449

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